

中国苔草属帚状苔草组新资料*

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New material of *Carex* sect. *Praelongae* from China

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关键词 苔草属; 帚状苔草组; 澜沧苔草; 金佛山苔草; 龙盘拉苔草; 瓦屋苔草; 昌宁苔草; 新分类群; 中国

1 澜沧苔草 新种 图 1:1~4

Carex lancangensis S. Y. Liang, sp. nov. Fig. 1:1~4

Species planta multo altiore, spiculis longioribus ad 17 cm longis a speciebus reliquis sect. *Praelongarum* diversa.

Rhizoma breve, lignosum. Culmus 150~160 cm altus, validus, acutangulo-triqueter, laevis, apice scabridiusculus, basi vaginis aphyllis atro-purpureis reticulatim fissis obtectus. Folia culmo longiora, 5~7 mm lata, plana, supra scabra, margine revoluta, rigida, coriacea. Bracteae foliaceae inflorescentia longiores haud vaginantes. Spiculae 8~9, lineari-cylindricae, 10~17 cm longae, ima ramosa, pedunculo 1~5 cm longo. Squamae pistillatae oblongo-lanceolatae, 2.5~2.8 mm longae, ca. 1 mm latae, brunneae, e dorso viridi trinervi in aristam scabram excurrentes. Utriculi squamas superantes, ovati, 3 mm longi, fulvi, parce purpureo-punctati, apice in rostrum ore bidentatum abrupte abeuntes. Nux laxe inclusa, ovata vel obovata, biconvexa, 1.8~2 mm longa, atro-purpurea. Stylus basi aequalis. Stigmata 2.

Yunnan(云南): Lancang(澜沧), pond side, alt. 2000 m, 1936-05, C. W. Wang(王启无)76837(holotype, PE).

根状茎短,木质。秆高150~160 cm,粗壮,锐三棱形,平滑,顶端稍粗糙,基部叶鞘无叶片,暗紫红色,网状分裂。叶长于秆,宽5~7 mm,平张,上部稍粗糙,边缘反卷,坚挺,革质。苞片叶状,长于花序,无鞘。小穗8~9个,线状圆柱形,长10~17 cm,最下部的小穗分枝;柄长1~5 cm。雌花鳞片长圆状披针形,长2.5~2.8 mm,宽约1 mm,褐色,背面绿色3脉延伸成短尖。果囊长于鳞片,卵形,长3 mm,黄褐色,稍具紫红色斑点,顶端急缩成喙,喙口具2齿。小坚果疏松地包于果囊中,卵形或倒卵形,双凸状,长1.8~2 mm,暗

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图1 1~4. 澜沧苔草 1. 植株; 2. 雌花鳞片; 3. 果囊; 4. 小坚果。5~7. 金佛山苔草 5. 花序; 6. 雌花鳞片; 7. 果囊。8~10. 龙盘拉苔草 8. 花序; 9. 雌花鳞片; 10. 果囊。11. 瓦屋苔草; 雌花鳞片。(李爱莉 绘)

Fig. 1 *Carex lancangensis* S. Y. Liang 1. Plant; 2. Pistillate scale; 3. Utricle; 4. Nut. 5~7. *C. jinshansenensis* Tang et Wang 5. Inflorescence; 6. Pistillate scale; 7. Utricle. 8~10. *C. longpanlaensis* S. Y. Liang 8. Inflorescence; 9. Pistillate scale; 10. Utricle. 11. *C. wuensis* Chü; Pistillate scale.

紫红色。花柱基部不变粗,柱头 2 个。

本种以其植株极高大,小穗较长,长达 17 cm,不同于同组的其它种。

2 金佛山苔草 新种 图 1:5~7

Carex jinfoshanensis Tang et Wang, in herb., sp. nov. Fig. 1:5~7

Haec species *C. longpanlaensis* S. Y. Liang affinis, sed spiculis 5.5~12 cm longis, terminali staminata, utriculis non purpureo-granulosis differt.

Rhizoma breve, lignosum. Culmus 80~100 cm altus, argute triqueter, laevis, basi vaginis aphyllis atro-purpureis reticulatim fissis obtectus. Folia culmo breviora, 3.5~5 mm lata, plana, margine scabra, viridia. Bracteae foliaceae inflorescentia longiores haud vaginantes. Spiculae 5~6, longe cylindricae, 5.5~12 cm longae, 4~5 mm latae, 1~2 superiores staminatae; ceterae pistillatae, ima pedunculata, pedunculo 1~3 mm longa. Squamae pistillatae oblongo-ovatae, 2.5~3 mm longae, atro-brunneae, e dorso viridi trinervi in aristam excurrentes. Utriculi squamas paullo superantes vel eis aequilongi, ovati, 2.6~3 mm longi, 1.5 mm lati, nervosi, apice in rostrum breve ore emarginatum abrupte contracti. Nux laxa inclusa, obovata, 1.8 mm longa, 1.5 mm lata. Stylus basi aequalis. Stigmata 2.

Sichuan(四川): Nanchuan(南川), Mt. Jinfo(金佛山), on shady side of a ditch, alt. 1200 m, 1935-06-03, K. L. Chü(曲桂龄)1075(holotype, PE).

根状茎短,木质。秆高 80~100 cm,锐三棱形,平滑,基部叶鞘无叶片,暗紫红色,分裂成网状。叶短于秆,宽 3.5~5 mm,平张,边缘粗糙,淡绿色。苞片叶状,长于花序,无鞘。小穗 5~6 个,长圆柱形,长 5.5~12 cm,宽 4~5 mm,上部 1~2 个为雄性;其余小穗雌性,最下部的小穗柄长 1~3 cm。雌花鳞片长圆状卵形,长 2.5~3 mm,两边深棕色,背面 3 脉绿色,延伸成芒尖。果囊稍长于或等长于鳞片,卵形,长 2.6~3 mm,宽 1.5 mm,具脉,顶端急缩成短喙,喙口微凹。小坚果疏松地包于果囊中,倒卵形,长 1.8 mm,宽 1.5 mm;花柱基部不膨大,柱头 2 个。

本种与龙盘拉苔草 *C. longpanlaensis* S. Y. Liang 相近,但小穗长 5.5~12 cm,顶生小穗雄性;果囊无紫红色斑点而不同。

3 龙盘拉苔草 新种 图 1:8~10

Carex longpanlaensis S. Y. Liang, sp. nov. Fig. 1:8~10

Species *C. jinfoshanensi* Tang et Wang affinis, sed spiculis brevioribus, 1.5~5 cm longis, terminali gynaeandra, utriculis purpureo-granulosis differt.

Rhizoma breve. Culmus 65~90 cm altus, triqueter, superne scaber, basi vaginis aphyllis purpureo-brunneis obtectus. Folia culmo breviora, 5~8 mm lata, margine superne scabra, acuminata. Bracteae inferiores foliaceae 2 inflorescentia longiores haud vaginantes, superiores setaceae. Spiculae 7~9, terminalis gynaeandra, 3.5~5 cm longa, pedunculo 7~10 mm longo; laterales pistillatae, interdum basi staminatae, 1.8~5 cm longae, 4~6 mm latae, longe pedunculatae, pedunculo 2~3 cm longo, gracili pendente. Squamae pistillatae oblongae, 1.5~2 mm longae, atro-brunneae, e dorso viridi trinervi in aristam brevem scabram excurrentes. Utriculi squamis longiores, ovati, 2.8~3 mm longi, straminei, pur-

pureo-granulosi, apice in rostrum breve ore intergrum vel emarginatum abrupte contracti. Nux laxe inclusa, oblonga, 1.3~1.5 mm longa, biconvexa, brunnea. Stylus basi aequalis. Stigmata 2.

Yunnan(云南): Mt. Gongshan(贡山), Longpanla(龙盘拉), under woods, alt. 3000 m, 1935-10, C. W. Wang(王启无)67285(holotype, PE).

根状茎短。秆高 65~90 cm, 宽 2~3 mm, 锐三棱形, 平滑, 上部粗糙, 基部叶鞘无叶片, 紫褐色。叶短于秆, 宽 5~8 mm, 上部边缘粗糙, 先端渐狭。苞片下部的 2 枚叶状, 长于花序, 无鞘, 上部的刚毛状。小穗 7~9 个, 顶生一个雌雄顺序, 长 3.5~5 cm, 小穗柄长 7~10 mm; 侧生小穗雌性, 有的基部具雄花, 长 1.8~5 cm, 宽 4~6 mm, 小穗柄较长, 长 2~3 cm, 纤细, 下垂。雌花鳞片长圆形, 长 1.5~2 mm, 两边深棕色, 背面 3 脉绿色, 延伸成粗糙短芒。果囊长于鳞片, 卵形, 长 2.8~3 mm, 禾秆色, 具紫红色斑点, 顶端急缩成短喙, 喙口全缘或微凹。小坚果稍松地包于果囊中, 长圆形, 长 1.3~1.5 mm, 双凸状, 褐色; 花柱基部不膨大, 柱头 2 个。

本种与金佛山苔草 *C. jinfoshanensis* Tang et Wang 相近, 但小穗短, 长 1.5~5 cm, 顶生的雌雄顺序。果囊具紫色斑点易于区别。

4 瓦屋苔草 新种 图 1:11

Carex wawuensis Chü, in herb., sp. nov. Fig. 1:11

Proxima *C. longispiculatae* Y. C. Yang, a qua squamis pistillatis late ovatis, 1.8~2 mm longis, 1.5~3 mm latis differt.

Rhizoma breve. Culmus ad 50 cm altus, argute triqueter, laevis, basi vaginis brunneo-purpureis obtectus. Folia culmo breviora, 5~6 mm lata, plana, margine scabra. Bractae superiores setaceae, inferiores foliaceae haud vaginantes. Spiculae 8, superiores 3 staminatae, lineares, 2~6 cm longae, 1.5~2 mm latae, sessiles vel breviter pedunculatae; ceterae pistillatae, lineari-cylindricae, 7~8.5 cm longae, ca. 3 mm latae, subdensiflorae interdum ima ramosa, pedunculo 1 cm longo. Squamae pistillatae late ovatae, 1.8~2 mm longae, fulvae, e dorso viridi trinervi in mucronem excurrentes. Utriculi squamas superantes, ovati, 2.2~2.5 mm longi, brunnei, ferrugineo-punctati, multinerves, apice in rostrum breve ore integrum abrupte contracti. Nux arcte inclusa, late ovata, ca. 1.5 mm longa, plano-convexa, straminei. Stylus basi aequalis. Stigmata 2.

Sichuan(四川): Hongya(洪雅), Mt. Wawu(瓦屋山), 1939-07-01, Z. W. Yao(姚仲吾)3995(holotype, PE).

根状茎短。秆高达 50 cm, 锐三棱形, 平滑, 基部叶鞘棕紫红色。叶短于秆, 宽 5~6 mm, 平张, 边缘粗糙。苞片上部的刚毛状, 下部的叶状, 无鞘。小穗 8 个, 上部 3 个雄性, 线形, 长 2~6 cm, 宽 1.5~2 mm, 无柄或具极短的柄; 其余小穗雌性, 线状圆柱形, 长 7~8.5 cm, 宽约 3 mm, 花稍密, 有时最下部 1 个有分枝; 柄长约 1 cm。雌花鳞片宽卵形, 长 1.8~2 mm, 黄褐色, 背面 3 脉绿色, 延伸成短尖。果囊长于鳞片, 卵形, 长 2.2~2.5 mm, 棕色, 具锈色斑点, 具脉, 顶端急缩成短喙, 喙口全缘。小坚果紧包于果囊中, 宽卵形, 长约 1.5 mm, 平凸状, 禾秆色; 花柱基部不变粗, 柱头 2 个。

本种与长穗苔草 *C. longispiculata* Y. C. Yang 相近, 不同在于雌花鳞片宽卵形, 长 1.8~2 mm, 宽 1.5~3 mm 而易于区别。

5 昌宁苔草 新变种

Carex melinacra Franch. var. **changningensis** S. Y. Liang, var. nov.

A var. *melinacra* differt spiculis atro-brunneis, ima remota, pedunculo elongato, gracili, 5~11 cm longo, squamis pistillatis utriculis brevioribus.

Yunnan(云南): Changning(昌宁), stream side, alt. 3000 m, 1938-06-10, T. T. Yu (俞德浚)16205(holotype, PE).

与原变种的区别在于小穗暗褐色, 最下部的 1 个小穗远离, 其柄纤细, 长 5~11 cm。雌花鳞片短于果囊。

秋海棠属一新名称

A new name of the genus *Begonia* L.

Begonia sinobrevicaulis Ku, nom. nov. — *B. brevicaulis* Ku in Acta Phytotax. Sin. 35(1): 53, fig. 31. 1997, non A. DC. 1859.

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